

Draft-Agenda 4.0

Wednesday, 26 June 2013

11:00 Registration

12:00 Lunch

12:45 Welcome Note by ERASysBio+ Coordinator *Bernhard Gilleßen*

13:00 Introduction to ERASysAPP, CASyM and ISBE *Rob Diemel*

Session I: Presentations by ERASysBio+ groups

Chair: tba

13:15 **GRAPPLE** *Andrew Cossins*
Iterative modelling of gene regulatory interactions underlying stress, disease and ageing in *C. elegans*

13:45 **LINCONET** *E. J. van Zoelen*
Modelling the Gene Regulatory Network underlying Lineage Commitment in Human Mesenchymal Stem Cells: Identification of Drug Targets for the Anabolic Treatment of Degenerative Disorders

14:15 **BioMod UE_PTL** *Catherine Marque*
Biophysical Modelling of the Uterine Electromyogram for understanding and preventing PreTerm Labor

14:45 **ModHeart** *Laurent Perrin*
Modelling the genetic network controlling heart development using the model organism *Drosophila melanogaster*

15:15 **Coffee Break**

Session II: Presentations by ERASysBio+ groups

Chair: tba

15:45 **ApoNET** *Michael Boutros*
Systems Analysis of TNF and TRAIL Signalling Pathways in Hepatocytes

16:15 **C5Sys** *Francis Lévi*
Circadian and cell cycle clock systems in cancer

16:45 **SYNERGY** *Sampsa Hautaniemi*
Systems approach to gene regulation biology through nuclear receptors

17:15 **LymphoSys** *Riitta Lahesmaa*
Signalling pathways and gene regulatory networks responsible for Th17 cell differentiation

17:45 **Short Break**

Session III: Presentations by ERASysBio+ groups

Chair: *tba*

18:00 **FRIM** *Yves Gibon*
Fruit Integrative Modelling

18:30 **TB-HOST-NET** *Andrzej Kierzek*
Integration of computational modelling with transcription and gene essentiality profiling of both MTB bacillus and infected human dendritic cells and macrophages to understand molecular interaction networks involved in the host-pathogen cross-talk

20:00 **Dinner**

Thursday, 27 June 2013

Session IV: Presentations by ERASysBio+ groups

Chair: *tba*

09:00 **SHIPREC** *Judith Klein-Seetharaman*
Living with uninvited guests - comparing plant and animal responses to endocytic invasions

09:30 **SynProt** *Debabrata Panja*
A Systems Biological Approach to Elucidate Local Protein Synthesis Code in Plasticity and Memory

10:00 **ZEBRAIN** *German Sumbre*
Understanding decision making from the dynamics of large neural populations in behaving zebrafish

10:30 **iSAM** *Jim Murray*
Integrative Systems Analysis of the Shoot Apical Meristem

11:00 **Coffee Break**

Session V: Presentations by ERASysBio+ groups

Chair: *tba*

11:30 **livSYSiPS** *James Adjaye*
The systems biology of network stress based on data generated from in vitro differentiated hepatocytes derived from patient-specific human iPS cells

12:00 **EpiGenSys**
System Biological Determination of the Epigenomic Structure-Function Relation

12:30 **Concluding Remarks**

Session VI: Steering Committee, Executive Board and SAB meeting

Chair: Bernhard Gilleßen, PtJ

13:00 **Lunch**

14:00 **Wrap-up discussion& administrative issues**

15:00 **HORIZON 2020 – Research in Biotechnology**

Zsuzsanna König

16:00 **End of meeting**